



Linux Techniques: Programming, System Management and Applications (Technology Today) (Volume 4)

Michael Collier

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Amongst the cacophony of competing claims in the computer world, the Linux operating system is finding an increasingly powerful voice.

As an alternative to Microsoft and Apple, it is proving attractive to many people through its completely open philosophy, together with the richly-featured galaxy of free software applications available.

This book covers Linux from basic concepts to advanced techniques. Six programming languages are covered with coding examples for their general features. Three of the most popular Linux applications for desktop publishing, graphic design and audio editing are also introduced.

Each chapter concludes with a set of practical computing exercises and questions for lecture room use.

The chapters are:

BOOK 1 – INTRODUCING LINUX AND ITS COMMANDS

Chapter 1 Welcome to Linux

Chapter 2 The Linux File Structure

Chapter 3 Linux Commands

Chapter 4 Text Editors

BOOK 2 – PROGRAMMING WITHIN LINUX

Chapter 5 Processes

Chapter 6 Shell Language Programming

Chapter 7 The awk Report Generator

Chapter 8 C Language programming

Chapter 9 Using Java

Chapter 10 Python Programming

Chapter 11 Programming in Perl

BOOK 3 – MANAGING LINUX SYSTEMS

Chapter 12 The Linux Environment

Chapter 13 System Maintenance Facilities

Chapter 14 GUI Tools for System Control

BOOK 4 – INSTALLING AND USING APPLICATIONS

Chapter 15 Various ways of installing applications

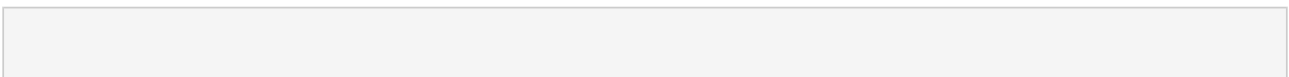
Chapter 16 Using SCRIBUS for desktop publishing

Chapter 17 Using GIMP for producing images

Chapter 18 Using Audacity for audio editing

Appendix A Summary of useful Linux Commands (bash)

Appendix B The ASCII character set



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